



HARLEY-DAVIDSON®

2009 POLICE MOTORCYCLES





FLHTP Electra Glide®
Motorcycle

FLHP Road King®
Motorcycle

THERE'S SOMETHING UNDENIABLY RIGHT ABOUT A COP ON A

HARLEY-DAVIDSON® MOTORCYCLE

2009 POLICE  MOTORCYCLES

CONTENTS

04

HARLEY-DAVIDSON
INNOVATION

08

HELPING TO
PROTECT & SERVE

10

2009
HARLEY-DAVIDSON®
POLICE MOTORCYCLES

16

2009
BUELL® ULYSSES®
XB12XP MOTORCYCLE

18

2009 FIRE & RESCUE

19

TRAINING

20

2009 SPECIAL EDITION
MOTORCYCLES

22

PARTS & ACCESSORIES

28

PRODUCT
SPECIFICATIONS



ENHANCING CAPABILITIES WITH **INNOVATION**

The second century of Harley-Davidson® police motorcycles is underway—and thanks to innovative new technology, this year's models are arguably our most capable, dependable police motorcycles ever.

New capabilities for 2009 start with a new model to serve nontraditional law enforcement agencies. The Buell® Ulysses® XB12XP smooths the transition from paved to unpaved roads, making it the ideal vehicle for policing in unconventional environments.

An all-new chassis for the FL family has 50% fewer parts and 50% fewer welds, standing up to the rigors of daily duty with a single-spar backbone and forged components. It's designed to increase the gross vehicle weight rating. And the frame accommodates a new,

wider Dunlop® MT Multi-Tread rear tire, dramatically increasing carrying capacity and rear tire tread life.

A new 68-tooth rubber isolated rear drive sprocket smooths power delivery, especially important in slow-speed maneuvers. And we've increased rider comfort with a rerouted exhaust system, standard mid-frame air deflectors, and a rider-activated rear cylinder cutout feature, which allows the rider to shut down the rear cylinder during parade duty or idling situations, allowing it to cool.

High-quality components, such as Brembo® brakes, and our low maintenance final belt drive, meet and exceed the requirements for professional duty use.



FEATURED TECHNOLOGY

Our police motorcycles have earned their legendary reputation with a century-long commitment to technological innovation.



6-SPEED CRUISE DRIVE

Our 6-speed Cruise Drive® transmission, now mated with a larger 68-tooth rubber isolated rear drive sprocket, ensures smooth delivery throughout the powerband, lowers RPMs at highway speeds, and provides officers with ready power.



ENGINE IDLE TEMPERATURE MANAGEMENT STRATEGY

A rider-activated rear cylinder cutout feature keeps the rider more comfortable by shutting down the rear cylinder during parade duty or idling situations.



ELECTRONIC THROTTLE CONTROL

This recent high-performance innovation replaces mechanical cables to dramatically increase responsiveness, enabling smooth acceleration with no hesitation.



DELIVERING UNMATCHED VALUE

Durability continues as a top priority for Harley-Davidson® police motorcycles. An advanced-technology welding process supports the new FL family chassis, enhancing the frame with fewer parts and fewer welds, and increasing weight capacity.

And the high performance of our Twin Cam 103™ engine goes hand-in-hand with reliability. This heavy-duty powertrain provides the performance needed for law enforcement applications.

The features that make Harley-Davidson® police motorcycles durable also enhance their value. Reliability translates to low maintenance costs, while fuel economy helps meet budget constraints.

The residual value of Harley-Davidson® police models is unmatched in the industry. Police-specific features such as the Twin Cam 103™ engine attract eager buyers. And there's always the gleaming chrome, the pure design and the iconic Harley-Davidson® rumble—a combination that commands respect even as it creates appeal.

It's no wonder we serve more than 3,500 law enforcement departments in North America and agencies in more than 45 countries worldwide. There's something undeniably right about a cop on a Harley-Davidson® motorcycle.



FEATURED TECHNOLOGY

Continual refinements to Harley-Davidson® police motorcycles meet today's challenges: increasing performance and controlling costs.



ANTI-LOCK BRAKING SYSTEM

Our optional Anti-Lock Braking System has been optimized for 2009 to maximize stopping performance during braking events—especially those that happen in less-than-optimum conditions.



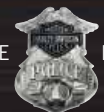
NEW MOTOR MOUNT SYSTEM

A new motor mount system on the FL models reduces engine shake at idle, providing greater rider comfort during long hours in the seat.



ALL NEW FRAME AND SWINGARM

FL models feature an all-new frame and swingarm with forged joints and components, 50% fewer parts and welds, and increased weight carrying capacity.





HELPING TO PROTECT & SERVE

The Sept. 1, 1908 issue of *Motorcycle Illustrated* offers the earliest documented police department use of a Harley-Davidson® motorcycle, in Detroit, Michigan. Our reputation for performance and reliability grew quickly. By 1925, more than 2,500 local police and sheriff departments were using the trusty mounts.

Dependability has always played a key role in the popularity of Harley-Davidson® police motorcycles. By the 1930s, our police vehicles stood out in the community as a symbol of trust, reliability and leadership.

While much has changed in the years since, Harley-Davidson remains dedicated to helping departments best serve their

communities. We continually refine our police motorcycles to meet continually changing law enforcement challenges.

Harley-Davidson's contribution to law enforcement extends to the publication of *The Mounted Officer* magazine, a Harley-Davidson publication started in 1927 "devoted to the interests of City, County, State and Highway departments." *The Mounted Officer* magazine is still published today.

The result: Harley-Davidson® police motorcycles are known the world over as the vehicle of choice for those who protect and serve. A motor officer shouldn't have to settle for anything less.



COMMUNITY ASSET

Since 1908, law enforcement agencies have recognized Harley-Davidson® motorcycles as an indispensable aid in their mission to Protect and Serve.



EXTENDED MOBILITY

Harley-Davidson offers the most complete line of motorcycles for Law Enforcement and Rescue personnel to enhance their ability to respond, gaining quicker access to highway accidents and other special situations.



DEDICATION TO SERVICE

The men and women who protect our communities stand as a symbol of goodwill and service to others. Their dedication inspires Harley-Davidson's support for industry organizations such as Concerns of Police Survivors, the National Law Enforcement Memorial Fund, and more.



COMMUNITY RELATIONS

Through more than a century, a cop on a Harley-Davidson® motorcycle has commanded respect. H-D police motorcycles have escorted presidents, kings and popes and have helped keep order on city streets from Toronto to São Paulo, and from Seoul to New York City.

THE ONE. THE ONLY. THE LEGEND. 2009 FLHTP

ELECTRA GLIDE®

FLHTP MODEL SHOWN IN VIVID BLACK WITH BIRCH WHITE PANELS AND DOUBLE SILVER PINSTRIPES (HOUSTON STYLE).*



NEW IN 2009

- **NEW FRAME**
Enhanced frame features 50% fewer parts and 50% fewer welds.
- **NEW SWINGARM**
Accommodates larger rear tire and complements frame enhancement.
- **INCREASED GROSS VEHICLE WEIGHT RATING**
Greater load carrying capacity.
- **INCREASED LEAN ANGLE**
Two degrees more lean angle (1 degree each direction).
- **OPTIMIZED ABS**
Further improves braking performance, especially in challenging conditions.
- **68-TOOTH RUBBER ISOLATED REAR DRIVE SPROCKET**
Yield noticeable improvement during slow-speed maneuvers.
- **IMPROVED RIDER COMFORT**
Enhanced with a re-routed exhaust system, midframe air deflectors and rider-activated rear cylinder cutout.

OPTIONAL EQUIPMENT

- A **LED LIGHTING SYSTEMS**
- B **ABS**
Independent front and rear anti-lock braking system designed to prevent wheel lock-up. No saddlebag intrusion.
- C **TOUR-PAK® SYSTEM**
Features easy plug-and-play installation, with a self-contained design that lets the LEDs function without draining the battery.
- D **EMERGENCY EQUIPMENT**
All optional emergency equipment may be ordered through your authorized Harley-Davidson® dealer. For a complete listing, visit www.harley-davidson.com.

STANDARD EQUIPMENT

- E **1690 CC TWIN CAM 103™ ENGINE**
Power and performance backed by Electronic Sequential Port Fuel Injection.
- F **LAW ENFORCEMENT SADDLEBAGS**
Special latches provide easy access while seated on the motorcycle.
- G **AIR-ADJUSTABLE SOLO SADDLE**
Provides maximum riding comfort.

- H **BREAKAWAY LEXAN® WINDSHIELD**
Designed to break away with minimal force in an impact.
- I **LONG-STEM "TRUE IMAGE" MIRRORS**
Ensure accurate representation of images.
- J **FULLY INTEGRATED SWITCHES**
Water-resistant with fingertip controls.
- K **FULL FAIRING**
Offers all-weather riding protection.
- L **DUNLOP® MT MULTI-TREAD TIRES**
Allows increased weight capacity and extends tire tread life.
- M **LOW MAINTENANCE FINAL BELT DRIVE**
- N **68-TOOTH RUBBER ISOLATED REAR DRIVE SPROCKET**
Enhances power delivery for smoother acceleration.
- O **2-INTO-1-INTO-2 EXHAUST**
Re-routes the exhaust system away from the rider, improving comfort.
- P **OIL COOLER**

Please see pages 28-31 for full specs
Please see pages 22-27 for parts & accessories



FLHTP model shown in Birch White.*

FLHTP model shown in Vivid Black tank and saddlebags with Birch White panels and fenders (CHP Style).*

FLHTP model shown in two-tone Luxury Blue Pearl with Birch White panels.*

FLHTP model shown in two-tone Mystique Green with Brilliant Silver panels.*

FLHTP model shown in Vivid Black.*

* Models shown include optional equipment. All optional equipment may be ordered through your authorized Harley-Davidson® dealer. For a complete list of optional equipment, visit www.harley-davidson.com. Special paint schemes may incur additional cost.

HISTORY. PERFORMANCE. VALUE. 2009 FLHP

ROAD KING®

Road King® FLHPE meets California emission standards.

FLHP MODEL SHOWN IN BIRCH WHITE.*



NEW IN 2009

- **NEW FRAME**
Enhanced frame features 50% fewer parts and 50% fewer welds.
- **NEW SWINGARM**
Accommodates larger rear tire and complements frame enhancement.
- **INCREASED GROSS VEHICLE WEIGHT RATING**
Greater load carrying capacity.
- **INCREASED LEAN ANGLE**
Two degrees more lean (1 degree each direction).
- **OPTIMIZED ABS**
Further improves braking performance, especially in challenging conditions.
- **68-TOOTH RUBBER ISOLATED REAR DRIVE SPROCKET**
Yield noticeable improvement during slow-speed maneuvers.
- **IMPROVED RIDER COMFORT**
Enhanced with a re-routed exhaust system, midframe air deflectors and rider-activated rear cylinder cutout.

OPTIONAL EQUIPMENT

- A LED LIGHTING SYSTEMS**
- B ABS**
Independent front and rear anti-lock braking system designed to prevent wheel lock-up. No saddlebag intrusion.
- C TOUR-PAK® SYSTEM**
Features easy plug-and-play installation, with a self-contained design that lets the LEDs function without draining the battery.
- D EMERGENCY EQUIPMENT**
All optional emergency equipment may be ordered through your authorized Harley-Davidson® dealer. For a complete listing, visit www.harley-davidson.com.

STANDARD EQUIPMENT

- E 1690 CC TWIN CAM 103™ ENGINE**
Power and performance backed by Electronic Sequential Port Fuel Injection.
- F LAW ENFORCEMENT SADDLEBAGS**
Special latches provide easy access while seated on the motorcycle.
- G AIR-ADJUSTABLE SOLO SADDLE**
Provides maximum riding comfort.
- H BREAKAWAY LEXAN® WINDSHIELD**
Designed to break away with minimal force in an impact.
- I LONG-STEM "TRUE IMAGE" MIRRORS**
Ensure accurate representation of images.
- J FULLY INTEGRATED SWITCHES**
Water-resistant with fingertip controls.
- K PIVOTING FOOT BOARDS**
Pivot with the rider, for additional comfort on patrol.
- L DUNLOP® MT MULTI-TREAD TIRES**
Allows increased weight capacity and extends tire tread life.
- M LOW MAINTENANCE FINAL BELT DRIVE**
- N 68-TOOTH RUBBER ISOLATED REAR DRIVE SPROCKET**
Enhances power delivery for smoother acceleration.
- O 2-INTO-1-INTO-2 EXHAUST**
Re-routes the exhaust system away from the rider, improving comfort.
- P OIL COOLER**

Please see pages 28-31 for full specs
Please see pages 22-27 for parts & accessories



FLHP model shown in Vivid Black with Birch White panels and double Silver pinstripes (Houston Style).*

FLHP model shown in Vivid Black tank and saddlebags with Birch White panels and fenders (CHP Style).*

FLHP model shown in two-tone Luxury Blue Pearl with Birch White panels.*

FLHP model shown in two-tone Mystique Green with Brilliant Silver panels.*

FLHP model shown in Vivid Black.*

COMMUNITY POLICING AT ITS BEST. 2009 XL 883

SPORTSTER®

XL 883 INTERNATIONAL EDITION SHOWN IN BIRCH WHITE.*



NEW IN 2009

- **NEW FRONT FENDER**
New tire-hugging front fender for Sportster® models.
- **NEW SUSPENSION†**
Enhanced suspension calibration builds on Sportster® handling characteristics.
- **STANDARD ELECTRONIC FUEL INJECTION**
Delivers more responsive, efficient operation.



XL 883L Sportster® Low available for purchase in North America. Model shown in Birch White**

† XL 883L does not feature new suspension.

OPTIONAL EQUIPMENT

- A TOUR-PAK® SYSTEM**
53929-06AV Sportster® Tour-Pak® Fits '04-later XL models equipped with Solo Tour-Pak Rack P/N 53655-04.
- B SADDLEBAGS**
Easy side-open covers for use while seated on the motorcycle.
91412-04AV Birch White Saddlebags (Not pictured)
91412-04DH Vivid Black Saddlebags
- C EMERGENCY PURSUIT LAMP KIT**
Red and blue pursuit lights.
68746-03B Red and Blue Pursuit Lights Integrated with Windshield P/N 57716-01.
- D DETACHABLE WINDSHIELD**
57716-01 Detachable Windshield
58164-96A Windshield Docking Hardware
- E ENGINE GUARD BARS**
49060-04 Chrome Engine Guard††

STANDARD EQUIPMENT

- F LOWER SEAT HEIGHT**
Features a comfortable seat height of 27.3 inches.
- G SPORTSTER® 883 CC EVOLUTION® ENGINE**
Responsive performance.
- H 5-SPEED TRANSMISSION**
- I ELECTRONIC SEQUENTIAL PORT FUEL INJECTION**
Adds precision and efficiency.
- J RE-TUNED FRONT AND REAR SUSPENSION**
Keeps motorcycle in contact with the road and builds on Sportster® handling characteristics.

Please see pages 28-31 for full specs
Please see pages 22-27 for parts & accessories

†† WARNING: Engine guards may provide limited leg and cosmetic vehicle protection under unique circumstances (fall over while stopped, very low speed slide). They are not made nor intended to provide protection from bodily injury in a collision with another vehicle or any other object.



50250-04 Jiffy Stand Extension



69179-04 High Output Horn Fits '04-later XL 883, XL 883C, and XL 1200R models.



53494-04 Sportster® Detachable Solo Rack Fits '04-later XL. Requires separate purchase of Sportster Solo Rack Docking Kit P/N 53544-05.

** Model shown with original equipment from factory. Special paint schemes may incur additional cost.

INTRODUCING A NEW MODEL FOR NONTRADITIONAL LAW ENFORCEMENT.

ULYSSES® XB12XP



The Buell® Ulysses® XB12XP combines the soul of an adventure sport motorcycle with all the features law enforcement officers depend on, taking intuitive handling to paved and unpaved roads alike. Its purposeful styling and thoughtful innovations deliver comfort and reliability in nontraditional applications.

XB12XP MODEL SHOWN IN BIRCH WHITE.*

NEW IN 2009

- **74 DEGREES OF STEERING SWEEP**
Enhances off-pavement handling and makes for easier, tighter turns.
- **HIGH GROUND CLEARANCE**
Generous 6.75 inches of ground clearance allows greater access and maneuverability in unpaved environments.
- **FUEL-IN-FRAME TECHNOLOGY**
Includes 4.4 gallons of fuel capacity, for excellent range.
- **ZERO TORSIONAL LOAD (ZTL™) BRAKING SYSTEM**
Mounted to wheel's perimeter, reduces unsprung weight while providing outstanding stopping power.

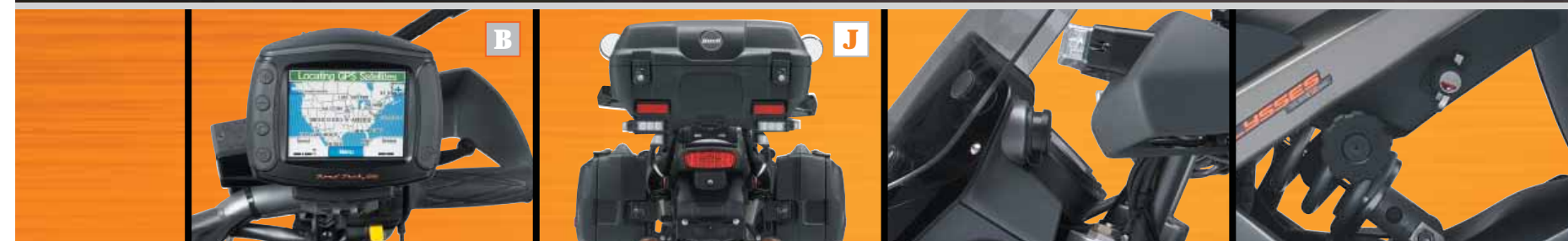


XB12XP model shown in Black*

FEATURED EQUIPMENT

- A EMERGENCY LIGHTING KIT**
- B BUELL® ZUMO PORTABLE NAVIGATION SYSTEM**
Optional GPS device
- C 1203 CC THUNDERSTORM® ENGINE**
- D 6.75" GROUND CLEARANCE**
- E 4.4 GALLON FUEL CAPACITY**
- F FUEL-IN-FRAME TECHNOLOGY**
The gas tank is eliminated and fuel stored in the frame, lowering the center of gravity and reducing inertia to deliver greater responsiveness.
- G UNDERSLUNG EXHAUST**
Placing the muffler directly under the bike optimizes the center of gravity to improve handling.
- H ZTL™ BREAKING SYSTEM**
Light-weight front braking system mounted to wheel's perimeter transfers breaking power directly to the rim instead of through the spokes, providing outstanding stopping power while enhancing steering.
- I PIRELLI® SCORPION® SYNC® TIRES**
Provide better pavement performance with almost equivalent off-pavement performance.
- J SIDE AND TOP CASES**
Slim version side cases and top case provide significant storage capacity and feature latches that can be left unlocked for easy access to contents without a key.
- K HEATED HAND GRIPS, HANDLEBAR DEFLECTORS, TALL WINDSHIELD**
All standard equipment, provides comfort and protection from the elements while on patrol.

Please see pages 28-31 for full specs
Please see pages 22-27 for parts & accessories



OPTIONAL Buell® Zumo Portable Navigation System GPS device

STANDARD Slim Version Side Cases and Top Case

STANDARD Auxiliary Power Outlets on dash and under seat

STANDARD Integrated Helmet Lock

LIFE-SAVING SUPPORT. 2009 FIRE & RESCUE

FIRE & RESCUE

NEW IN 2009

- **ALL-NEW FRAME AND SWINGARM**
Features 50% fewer parts and welds and provides greater load carrying capacity.
- **NEW 68-TOOTH RUBBER ISOLATED REAR DRIVE SPROCKET**
With Isolated Drive System, offers smoother power delivery and increased acceleration.
- **NEW 2-1-2 EXHAUST**
Creates more passenger leg room and improves rider/passenger comfort.
- **NEW LED REAR FENDER TIP LIGHT AND LED LICENSE PLATE ILLUMINATION**

Please see pages 10-13 for additional equipment and features

Please see pages 28-31 for full specs

Please see pages 22-27 for parts & accessories



TOP: FLHTP ELECTRA GLIDE® SHOWN IN FIRE ENGINE RED.*

BOTTOM: FLHP ROAD KING® SHOWN IN FIRE ENGINE RED.*

COMBINING MOTORCYCLES, OPERATOR & TECHNICAL TRAINING

Like no one else in the industry, Harley-Davidson completes its motorcycle offering with professional partnerships to provide outstanding operator and technician training.

NORTHWESTERN UNIVERSITY CENTER FOR PUBLIC SAFETY

For more than 20 years, the Harley-Davidson Motor Company has worked with Northwestern University Center for Public Safety to make motor officers safer through training. From our humble beginnings, moving six motorcycles in a U-Haul four times a year, we've built a nationwide program, transporting 21 training motorcycles in a custom tractor-trailer to as many as 13 locations each year.

Our instructors are second to none. We also provide an on-site technician and a complete inventory of parts to handle any mechanical issues, ensuring

uninterrupted training. And it's all included in student tuition. We want to make affordable, top-quality operator and instructor training available to all motor officers.

MOTORCYCLE MECHANICS INSTITUTE

Training for technicians who serve law enforcement agencies that use Harley-Davidson® police motorcycles is offered at the Motorcycle Mechanics Institute in Orlando, Florida and Phoenix, Arizona. Working with Harley-Davidson University, we provide a curriculum similar to that offered for dealership technicians. Five classes are held in spring and fall: Vehicle Maintenance, Electrical Diagnostics, Air-Cooled Powertrain, Engine Management Systems and Chassis/ABS Service.

**FOR MORE INFORMATION ON TRAINING VISIT
WWW.HARLEY-DAVIDSONPOLICEMOTORS.COM**



WELL-TRAINED PERSONNEL

Officers and fleet technicians receive specialized technical training unique to Harley-Davidson through the Motorcycle Mechanics Institute.



TRAINING BROUGHT TO YOU

Motorcycle courses can be presented at your location. Motorcycles will be provided by Harley-Davidson. Instruction will be provided by the Northwestern University Center for Public Safety or Motorcycle Mechanics Institute.



PEACE OFFICER AND FIREFIGHTER

SPECIAL EDITIONS

MOTORCYCLES DESIGNED TO HONOR THOSE WHO SERVE

Harley-Davidson® Peace Officer and Firefighter Special Edition motorcycles are offered as a proud tribute to law enforcement and firefighter personnel for use in their off duty hours. Harley-Davidson offers a limited number of these exclusive Special Edition models, available only to active and retired members of the law enforcement and firefighter profession. These motorcycles feature distinctive designs and special graphics that allow these riders to travel down the highway in style while displaying their professional pride in a unique and satisfying way.

FLSTC HERITAGE SOFTAIL® CLASSIC PEACE OFFICER SPECIAL EDITION SHOWN IN PEACE OFFICER DARK BLUE.*



FLHTCU Ultra Classic® Electra Glide® Peace Officer Special Edition shown in two-tone Peace Officer Light Blue/Peace Officer Dark Blue.*



Premium 3-D Tank Medallion

NEW IN 2009

- **NEW STYLING**
on Heritage Softail® Classic Special Editions.
- **NEW FRAME AND SWINGARM**
on Road King® and Ultra Classic® Electra Glide® Special Editions.
- **INCREASED LOAD CAPACITY**
on Road King® and Ultra Classic® Electra Glide® Special Editions.
- **NEW COLOR OPTION**
Firefighter Special Edition available in Vivid Black with gold and red pinstripes.

FLHR ROAD KING® FIREFIGHTER SPECIAL EDITION SHOWN IN VIVID BLACK WITH GOLD AND RED PINSTripES.*



Premium 3-D Tank Medallion

ALSO AVAILABLE

- FLHR ROAD KING® PEACE OFFICER SPECIAL EDITION
- FLSTF FAT BOY® PEACE OFFICER SPECIAL EDITION
- FLSTC HERITAGE SOFTAIL® CLASSIC FIREFIGHTER SPECIAL EDITION
- FLHTCU ULTRA CLASSIC® ELECTRA GLIDE® FIREFIGHTER SPECIAL EDITION



FLSTF Fat Boy® Firefighter Special Edition shown in Fire Engine Red.*

PRODUCT SPECIFICATIONS¹

SEE THE FULL LINE OF HARLEY-DAVIDSON GENUINE MOTOR PARTS AND ACCESSORIES IN THE FULL RETAIL CATALOG OR ONLINE AT WWW.HARLEY-DAVIDSON.COM.

	2009 FLHTP ELECTRA GLIDE®	2009 FLHP/FLHPE* ROAD KING®	2009 XL 883/XL 883L** SPORTSTER®	2009 BUELL® ULYSSES® XB12XP
DIMENSIONS			XL 883	XL 883L
Length	95.14 in. (2416.56 mm)	95.14 in. (2416.56 mm)	89.10 in. (2260 mm)	89.10 in. (2263.14 mm)
Overall Width	38.00 in. (965.20 mm)	34.50 in. (876.30 mm)	32.68 in. (830 mm)	35.20 in. (894.08 mm)
Overall Height	61.00 in. (1549.40 mm)	55.10 in. (1399.54 mm)	44.88 in. (1140 mm)	45.70 in. (1160.78 mm)
Seat Height: Laden ²	27.30 in. (693.42 mm)	27.30 in. (693.42 mm)	27.28 in. (693 mm)	25.3 in. (642.62 mm)
Unladen	30.70 in. (779.78 mm)	30.70 in. (779.78 mm)		26.30 in. (668.02 mm)
Ground Clearance	5.10 in. (129.54 mm)	5.10 in. (129.54 mm)	5.55 in. (141 mm)	3.90 in. (99.06 mm)
Rake (steering head)	26°	26°	29.6°	23.5°
Fork Angle	29.25°	29.25°	29.6°	22°
Trail	6.69 in. (169.93 mm)	6.69 in. (169.93 mm)	4.60 in. (116.84 mm)	4.80 in. (121.92 mm)
Wheelbase	63.54 in. (1613.92 mm)	63.54 in. (1613.92 mm)	69.84 in. (1520 mm)	60.0 in. (1524.00 mm)
Tires ^{3,4}	(Dunlop® Harley-Davidson Series, bias blackwall front and rear) Front—D407F BW 130/80B17 Rear—D407 BW 180/65B16 Bead-retention tires designed to remain on wheel during sudden loss of pressure. Sealed, automotive-style wheel bearings requiring no end play adjustments and service interval of 100,000 miles (160,000 km).	(Dunlop® Harley-Davidson Series, bias blackwall front and rear) Front—D407F BW 130/80B17 Rear—D407 BW 180/65B16 Bead-retention tires designed to remain on wheel during sudden loss of pressure. Sealed, automotive-style wheel bearings requiring no end play adjustments and service interval of 100,000 miles (160,000 km).	(Dunlop® Harley-Davidson Series, blackwall) Front—D401F 100/90-19 57H Rear—D401 150/80B16 71H	(Pirelli® Scorpion® Sync®) Front—120/70 ZR-17 Rear—180/55 ZR-17
Fuel Capacity	6.00 gal. (22.71 L) (warning light @ approx. 1.00 gal. [4.40 L])	6.00 gal. (22.71 L) (warning light @ approx. 1.00 gal. [4.40 L])	3.30 gal. (12.49 L) (warning light @ approx. 0.80 gal. [3.03 L])	4.40 gal. (16.66 L) (warning light @ approx. 0.83 gal. [3.14 L])
Oil Capacity (with filter)	4.00 qts. (3.79 L)	4.00 qts. (3.79 L)	3.59 qts. (3.40 L)	2.80 qts. (2.65 L)
Transmission Capacity	1.00 qts. (0.95 L)	1.00 qts. (0.95 L)	1.0 qts. (0.95 L)	
Primary Chain Case Capacity	1.40 qts. (1.32 L) ⁵	1.40 qts. (1.32 L) ⁵	N/A	
Weight: As Shipped In Running Order Dry Weight Gross Vehicle Wt. Rating Gross Axle Wt. Rating	794 lbs. (360.15 kg) 831 lbs. (376.94 kg) 1360 lbs. (616.89 kg) Front—500 lbs. (226.80 kg) Rear—927 lbs. (420.48 kg)	791 lbs. (358.79 kg) 828 lbs. (375.57 kg) 1360 lbs. (616.89 kg) Front—500 lbs. (226.80 kg) Rear—927 lbs. (420.48 kg)	573.20 lbs. (260 kg) 553.36 lbs. (251 kg) 1000 lbs. (453.59 kg) Front—335 lbs. (151.95 kg) Rear—665 lbs. (301.64 kg)	563 lbs. (255.37 kg) 583 lbs. (264.44 kg) 480 lbs. (217.72 kg) 950 lbs. (430.91 kg)
Load Capacity				455 lbs. (206.38 kg)
ENGINE				
Engine ⁶	Air-cooled, Twin Cam 103™ ^{7,8}	Air-cooled, Twin Cam 103™ ^{7,8}	Air-cooled, Evolution®	Thunderstorm® air/oil/fan-cooled, 4-stroke, 45° V-Twin
Valve Train	Pushrod-operated, overhead valves with hydraulic, self-adjusting lifters; two valves per cylinder	Pushrod-operated, overhead valves with hydraulic, self-adjusting lifters; two valves per cylinder	Pushrod-operated, overhead valves with hydraulic, self-adjusting lifters; two valves per cylinder	OHV, two valves per cylinder, self-adjusting
Bore x Stroke	3.875 in. x 4.375 in. (98.42 mm x 111.12 mm)	3.875 in. x 4.375 in. (98.42 mm x 111.12 mm)	3.000 in. x 3.810 in. (76.20 mm x 96.77 mm)	3.500 in. x 3.812 in. (88.90 mm x 96.82 mm)
Displacement	103.00 cu. in. (1687.87 cc)	103.00 cu. in. (1687.87 cc)	53.86 cu. in. (882.61 cc)	73.40 cu. in. (1203 cc)

	2009 FLHTP ELECTRA GLIDE®	2009 FLHP/FLHPE* ROAD KING®	2009 XL 883/XL 883L** SPORTSTER®	2009 BUELL® ULYSSES® XB12XP
ENGINE CONTINUED				
Compression Ratio	9.6:1	9.6:1	8.9:1	10.0:1
Fuel System ⁹	Electronic Sequential Port Fuel Injection (ESPFI)	Electronic Sequential Port Fuel Injection (ESPFI)	Electronic Sequential Port Fuel Injection (ESPFI)	49 mm down draft DDFI III fuel injection (ESPFI)
Air Cleaner	Fiberglass, washable	Fiberglass, washable	Paper Cartridge Type	Zero-resistance airbox
Lubrication System	Pressurized, dry-sump	Pressurized, dry-sump	Dry-sump	Dry-sump
DRIVETRAIN				
Primary Drive	Chain, 34/46 ratio	Chain, 34/46 ratio	Chain, 34/57 ratio	Chain, 57/38 ratio
Final Drive	Belt, 32/68 ratio ¹⁰	Belt, 32/68 ratio ¹⁰	Belt, 28/68 ratio	Constant path, 14 mm pitch aramid-reinforced Veyance Hibrix® belt with Flexten® Plus technology, 65/27 ratio
Clutch	9-plate, wet	9-plate, wet	9-plate, wet	Wet, multi-plate, compensated
Transmission	6-speed Cruise Drive®	6-speed Cruise Drive®	5-speed	5-speed, helical gear
Gear Ratios (overall)	U.S. HDI JPN	U.S. HDI JPN	U.S. HDI JPN	U.S.
1st	9.593 9.593 9.593	9.593 9.593 9.593	10.782 10.782 10.782	2.648
2nd	6.650 6.650 6.650	6.650 6.650 6.650	7.702 7.702 7.702	1.892
3rd	4.938 4.938 4.938	4.938 4.938 4.938	5.728 5.728 5.728	1.407
4th	4.000 4.000 4.000	4.000 4.000 4.000	4.748 4.748 4.748	1.166
5th	3.407 3.407 3.407	3.407 3.407 3.407	4.071 4.071 4.071	1.000
6th	2.875 2.875 2.875	2.875 2.875 2.875	N/A N/A N/A	N/A
CHASSIS				
Frame	Mild steel, tubular frame, two-piece stamped and welded backbone, cast and forged junctions, twin downtubes, bolt-on rear frame with forged fender supports, MIG welded	Mild steel, tubular frame, two-piece stamped and welded backbone, cast and forged junctions, twin downtubes, bolt-on rear frame with forged fender supports, MIG welded	Mild steel, tubular frame; circular sections; cast junctions	Aluminum frame with Uniplanar™ powertrain vibration isolation system, fuel in frame
Swingarm	Mild steel, two-piece drawn and welded section, forged junctions, MIG welded	Mild steel, two-piece drawn and welded section, forged junctions, MIG welded	Mild steel, rectangular tube sections, stamped junctions; MIG welded	
Front Fork ⁴	41.3 mm telescopic	41.3 mm telescopic	39 mm	47 mm Showa® inverted forks with rearward offset axle, adjustable compression damping, rebound damping and spring preload
Rear Shocks ⁴	Air-adjustable	Air-adjustable	Coil-over, preload dual-adjustable	Showa® coil-over monoshock with remote reservoir and remote spring preload adjustment, fully adjustable (compression, damping, rebound damping and spring preload)
Wheels: ³ Front (diam. x width) Rear (diam. x width)	Black, Slotted Disc Cast Aluminum 17.00 in. x 3.00 in. (431.80 mm x 76.20 mm) 16.00 in. x 5.00 in. (406.40 mm x 127.00 mm)	Black, Slotted Disc Cast Aluminum 17.00 in. x 3.00 in. (431.80 mm x 76.20 mm) 16.00 in. x 5.00 in. (406.40 mm x 127.00 mm)	Silver, 13-spoke Cast Aluminum; Chrome, Laced Steel (optional) 19.00 in. x 2.15 in. (482.60 mm x 54.61 mm) 16.00 in. x 3.00 in. (406.40 mm x 76.20 mm)	Reinforced XB-type 6-spoke; ZTL™ cast aluminum (front), cast aluminum (rear) 17.00 in. x 3.50 in. (431.80 mm x 88.90 mm) 17.00 in. x 5.50 in. (431.80 mm x 139.70 mm)
Brakes: Caliper Type Rotor Type (diam. x width) Front Rear ABS Option	32 mm 4-piston front and rear Patented, uniform expansion 11.81 in. x .20 in. (299.97 mm x 5.08 mm) (dual) 11.81 in. x .28 in. (299.97 mm x 7.11 mm) Available	32 mm 4-piston fixed front and rear Patented, uniform expansion 11.81 in. x .20 in. (299.97 mm x 5.08 mm) (dual) 11.81 in. x .28 in. (299.97 mm x 7.11 mm) Available	Dual-piston front, single-piston rear Patented, uniform expansion rotors 11.50 in. x .20 in. (292.10 mm x 5.08 mm) (floating) 11.50 in. x .23 in. (292.10 mm x 5.84 mm) N/A	Front: ZTL™-type brake, 6-piston, fixed caliper; 375 mm single-sided, inside-out, stainless steel, floating rotor Rear: Single-piston, floating caliper; 240 mm stainless steel, fixed rotor N/A
Suspension Travel: Front Wheel Rear Wheel	4.60 in. (116.84 mm) 3.00 in. (76.20 mm)	4.60 in. (116.84 mm) 3.00 in. (76.20 mm)	3.62 in. (91.95 mm) 1.63 in. (41.40 mm)	6.51 in. (165.35 mm) 6.38 in. (162.05 mm)
Engineered for Sidecar Use	Available	Available	N/A	N/A

PRODUCT SPECIFICATIONS

	2009 FLHTP ELECTRA GLIDE®	2009 FLHP/FLHPE* ROAD KING®	2009 XL 883/XL 883L** SPORTSTER®	2009 BUELL® ULYSSES® XB12XP
PERFORMANCE			XL 883 XL 883L	
Engine Torque ¹¹ (per SAE J1349): North America	102.00 ft. lbs. @ 2500 rpm (138.31 NM @ 2500 rpm)	102.00 ft. lbs. @ 2500 rpm (138.31 NM @ 2500 rpm)	51.60 ft. lbs. @ 3750 rpm (69.96 NM @ 3750 rpm)	55.00 ft. lbs. @ 3500 rpm (74.58 NM @ 3500 rpm)
Lean Angle (per SAE J1168): Right Left	33° 31°	33° 31°	29° 31°	Soft Contact: 39° Hard Contact: 43° 39° 40°
Fuel Economy ¹² (EPA urban/highway test)	35/54 mpg (6.72/4.36 L/100 km)	35/54 mpg (6.72/4.36 L/100 km)	45/60 mpg (5.23/3.92 L/100 km)	51/64 mpg (4.61/3.68 L/100 km)
ELECTRIC				
Battery (per Battery Council International Rating)	Sealed, maintenance-free, 12V, 28-amp/ hour, 270 cca	Sealed, maintenance-free, 12V, 28-amp/ hour, 270 cca	Sealed, maintenance-free, 12V, 12 amp/ hour, 200 cca	Sealed lead acid, maintenance-free, 12V, 12-amp/hour, 200 cca
Charging	Three-phase, 50-amp system (585W @ 13V, 2000 rpm, 650W max power @ 13V)	Three-phase, 50-amp system (585W @ 13V, 2000 rpm, 650W max power @ 13V)	Single-phase, 30-amp system (357W @ 13.5V, 2000 rpm, 405W max power @ 13.5V)	30-amp, permanent magnet, single-phase alternator with solid-state regulator (405W @ 3000 rpm, 405W peak)
Starting	1.2 kW electric with solenoid shift starter motor engagement	1.2 kW electric with solenoid shift starter motor engagement	1.2 kW electric with solenoid shift starter motor engagement	1.2 kW electric with solenoid shift starter motor engagement
Lights (as per country regulation): Headlamp	Quartz halogen, 55-watt low beam, 60-watt high beam 8W/28W (5W/21W) 28W (21W) self-canceling Front-mounted PAR-36 lamps, one red, one blue, incandescent	Quartz halogen, 55-watt low beam, 60-watt high beam 8W/28W (5W/21W) 28W (21W) self-canceling Front-mounted PAR-36 lamps, one red, one blue, incandescent	Quartz halogen, 55-watt low beam, 60-watt high beam 8W/28W (5W/21W) 28W (21W) self-canceling N/A	Twin Quartz Halogen (H7), 55-watt low beam, 55-watt high beam LED .36W/3.36W 10W manual canceling Front: Two forward facing TIR 3 LED lamps, one red, one blue; two forward facing PAR-36 LED lamps, one red, one blue; two lateral facing TIR 3 LED lamps, one red, one blue, one on each side. Rear: Four lateral facing TIR3 LED lamps, two red, two blue, two on each side; four rearward facing TIR 3 LED lamps, two red, two blue, in the domestic configuration
Tail/Stop Lights Turn Signal Lights Pursuit Lamps				
Flashers	Four-way, integrated into turn signal switches	Four-way, integrated into turn signal switches	N/A	
Indicator Lamps	High beam, turn signals, hazard signals, neutral, low oil pressure, engine diagnostics, low fuel, police emergency light operation, 6-speed, ABS light (optional) N/A	High beam, turn signals, hazard signals, neutral, low oil pressure, engine diagnostics, low fuel, police emergency light operation, 6-speed, ABS light (optional) N/A	High beam, neutral, low oil pressure, turn signals, engine diagnostics, low fuel warning, low battery, security system (optional) N/A	High beam, neutral, oil, low fuel, turn signal and engine diagnostic lamps
License Plate Light				5W
Electronic Siren (optional)	Weatherproof 100W siren amplifier, 100W siren speaker and integrated PA system specially designed for use on Harley- Davidson® Police motorcycles; 2-tones: wail and yelp with additional airhorn capability	Weatherproof 100W siren amplifier, 100W siren speaker and integrated PA system specially designed for use on Harley- Davidson® Police motorcycles; 2-tones: wail and yelp with additional airhorn capability	N/A	
STYLING/CONVENIENCE				
Engine Trim	Silver powder-coated engine with chrome treatment covers	Black powder-coated engine with chrome treatment covers	Silver powder-coated engine with polished treatment covers	
Fairing and/or Windshield ⁴	*Bat wing* fork-mounted fairing; clear, breakaway Lexan® windshield	Clear, breakaway Lexan® windshield	Optional windshield	Tall windscreen offers additional wind protection
Seat	One-piece, deluxe solo air-adjustable police- type covered with breathable material	One-piece, deluxe solo air-adjustable police- type covered with breathable material	One-piece, solo Sportster® classic	Large, coarse-textured comfortable seat

SEE THE FULL LINE OF HARLEY-DAVIDSON GENUINE MOTOR PARTS AND ACCESSORIES IN THE FULL RETAIL CATALOG OR ONLINE AT WWW.HARLEY-DAVIDSON.COM.

	2009 FLHTP ELECTRA GLIDE®	2009 FLHP/FLHPE* ROAD KING®	2009 XL 883/XL 883L** SPORTSTER®	2009 BUELL® ULYSSES® XB12XP
STYLING/CONVENIENCE CONTINUED				
Foot Supports and Controls	Pivoting footboards with non-skid rubber pads on upper surfaces	Pivoting footboards with non-skid rubber pads on upper surfaces	Mid-mounted footpegs with brake and shift levers	
Saddlebags	Law enforcement style with special latches for easy access while seated on motorcycle	Law enforcement style with special latches for easy access while seated on motorcycle	Optional	Side and top cases with latches that can be left unlocked for easy access to contents without a key
Mirrors	Long-stem, "true image" mirrors	Long-stem, "true image" mirrors	N/A	
Instruments	Fairing-mounted electronic speedometer with odometer, clock on odometer, dual resettable tripmeter, tachometer	Tank console-mounted electronic speedometer with odometer, clock on odometer, dual resettable tripmeter, nacelle mounted-tachometer	Handlebar-mounted electronic speedometer with odometer, clock on odometer, dual resettable tripmeter	Electronic speedometer, tachometer, odometer; dual tripmeter; high beam, neutral, oil, low fuel, turn signal, and engine diagnostic indicator lamps; clock; odometer shows miles traveled on reserve
Ignition	Barrel key, steering head-mounted	Barrel key, tank console-mounted	Blade key	
Hand Controls	Water-resistant, fully integrated switches	Water-resistant, fully integrated switches	Start, engine cutoff, left/right turn signals, horn, hi/low beam	
Miscellaneous	Sight glass on brake; master cylinders; one key fits all locks; mid-frame air deflectors, rear cylinder cutout feature provides greater rider comfort during idling situations	Sight glass on brake; master cylinders; one key fits all locks; mid-frame air deflectors, rear cylinder cutout feature provides greater rider comfort during idling situations	Stainless steel, low-rise handlebars	
WARRANTY				
Warranty ¹³	24 months (unlimited mileage)	24 months (unlimited mileage)	24 months (unlimited mileage)	24 months (unlimited mileage)
Service Intervals ¹⁴	First 1,000 miles (1,600 km), every 5,000 miles (8,000 km) thereafter	First 1,000 miles (1,600 km), every 5,000 miles (8,000 km) thereafter	First 1,000 miles (1,600 km), every 5,000 miles (8,000 km) thereafter	

- Vehicles depicted may differ from vehicles manufactured and delivered. Specifications and prices listed may differ from specifications and prices of vehicles manufactured and delivered. All product descriptions (including depictions, specifications, dimensions, measurements, ratings and competitive comparisons) are based on available information at the time of publication. Although such descriptions are believed correct, errors and changes can occur and complete accuracy cannot be guaranteed. Harley-Davidson may make changes at any time to prices and specifications, and may change or discontinue models, without notice and without incurring any obligation. Attention: Vehicles in the configurations shown and many of the accessories described in this catalog may not be available for sale or use in some locations. Please check with your dealer for complete product details and the latest information. All models feature 6-speed transmission (VRSC™ models and Sportster® models are 5-speed) and carbon fiber belt final drive; multi-plate clutch with diaphragm spring in oil bath; and 2-year unlimited mileage warranty.
- Measurement reflects 180 lb./81.7 kg operator weight.
- Standard and optional wheels may vary by country and region.
- GTX and Lexan are registered trademarks of General Electric Company. Dunlop, Pirelli, Scorpion and Sync are registered trademarks of their respective owners.
- Primary Case Oil Fill is 32 oz. or as needed to fill to bottom of diaphragm.
- Recommended 91 octane or higher fuel (R+M)/2.
- Thermostatically controlled oil cooler standard equipment.
- Automatic compression release.
- Standard and optional fuel systems may vary by country and region.
- U.S. and HDI markets, except Japan: Belt, 32/64 ratio.
- Values shown are nominal. Performance may vary by country and region.
- Estimated from fuel economy tests on a sample motorcycle from the corresponding family conducted by Harley-Davidson under ideal laboratory conditions. Not all motorcycle models undergo fuel economy testing. Fuel economy and mileage may vary among motorcycle models within a family. Your mileage may vary depending on your personal riding habits, weather conditions, trip length, vehicle condition and vehicle configuration and other conditions. Break-in mileage may vary.
- See motorcycle owner's manual for complete details.
- Inspections of certain systems and components are required at 2,500 mile (4,000 km) intervals. See Owner's Manual for full details.

2009 POLICE & FLEET COLOR OPTIONS

			
VIVID BLACK	BIRCH WHITE	ARCTIC WHITE	GLACIER WHITE PEARL
			
MEDIUM BLUE	IMPACT BLUE	LUXURY BLUE PEARL	PEACE OFFICER DARK BLUE
			
PEACE OFFICER LIGHT BLUE	LIGHT GRAY	DARK GRAY	BRILLIANT SILVER
			
CHAMPAGNE PEARL	MYSTIQUE GREEN	METALLIC BROWN	SIERRA RED PEARL
			
FIRE ENGINE RED	VIVID BLACK WITH BIRCH WHITE BAGS	BIRCH WHITE WITH VIVID BLACK BAGS	CHP STYLE* Vivid Black tank & bags with Birch White panels & fenders
			
HOUSTON STYLE** Black with Birch White panels and double Silver pinstripes			

* Other two-tone styles are available using any combination of current Police/Fleet colors.

** Custom pinstriping is available with any paint scheme or color.

2009 POLICE & FLEET

COLOR OPTIONS



TO LOCATE YOUR AUTHORIZED HARLEY-DAVIDSON® DEALER:

PHONE: 1-800-LUV-2-RIDE

www.harley-davidsonpolicemotors.com

www.harley-davidson.com

HARLEY-DAVIDSON MOTOR COMPANY - POLICE AND FLEET SALES

P.O. BOX 653 MILWAUKEE, WI 53201 U.S.A.

©2008 H-D® Printed in the USA. All rights reserved.

(Sample Specifications and Description)

2009 Harley-Davidson® FLHP Road King® Police

1. **QUANTITY:** [Insert Quantity] 2009 Harley-Davidson® FLHP (Windshield) Road King® Solo Law Enforcement Motorcycles

SCOPE OF SPECIFICATIONS

These specifications describe the mechanical and comfort requirements for the FLHP solo law enforcement motorcycles which will be used by the [insert agency/department name].

SPECIFICATIONS

All proposed FLHP motorcycles to be in full compliance as follows:

A. Engine

Piston displacement of not less than 1690cc OHV Twin Cam 103® Vibration Isolated V-Twin, air-cooled with two cylinders equipped with overhead valves and featuring EITMS (Engine Idle Temperature Management System), producing minimal vibration frequencies and magnitudes. Engine and transmission isolated from motorcycle frame utilizing a rubber mounting system.

- 1 Powertrain deluxe chrome group designed for low maintenance; black powder coat finish on engine; chrome rocker boxes, timer cover, outer primary housing & transmission covers.
- 2 Compression ratio: 9:6:1
- 3 Electronic Sequential Port Fuel Injection System (ESPFI)
- 4 Chain Drive Twin Cams
- 5 Hydraulic Lifters requiring no maintenance service adjustments

B. Clutch / Transmission

- 1 Clutch shall be of the latest multiple nine (9) plate design, wet.
- 2 Transmission to be of latest design, manual type, with not less than six (6) forward speeds.
- 3 Clutch disengage for starter motor operation
- 4 Primary Drive, double-row chain, 34/46 ratio.
- 5 Greaseless shifter shaft with "anti-vibration" rubber spacers.
- 6 Gear Ratios

1st – 9.593

2nd – 6.650

3rd – 4.938

4th – 4.000

5th – 3.407

6th – 2.875

C. Brakes

Disc brakes for both front and rear wheels. Front brake having dual 11.81-inch diameter drilled discs; rear brake shall be single disc. Brakes shall be relatively free of heat fade, with four (4) piston calipers and uniform expanding rotors.

Note: Optional Anti-Lock Braking system available (Independent Anti-Lock System)

D. Suspension

- 1 Motorcycles shall be provided with a suspension system to permit optimum handling conditions as

- required in law enforcement.
- 2 41.3 mm telescopic front forks. Rear air-adjustable shocks.
- 3 Rear suspension swing arm bearings shall require no lubrication for life of the motorcycle.

E. Wheels / Tires

- 1 Black Slotted Disc Cast Aluminum wheels, rim material to be impermeable to compressed air.
- 2 Tubeless type tires to have non-skid tread, designed to operate on paved highways and shall have a full, four-ply fabric reinforcement. Bead-retention tires designed to remain on wheel during sudden loss of pressure.
- 3 Sealed automotive style wheel bearings requiring no endplay adjustment and service interval of 100,000 miles (160,000 km).

F. Fuel Tank

Fuel tank to have a capacity of six (6) U.S. gallons (or 22.71 liters). Must provide a minimum of 1 gal (3.8 L) reserve fuel capacity when main supply is exhausted.

- 1 Electric fuel pump.

G. Electrical System

Electrical system shall be nominal 12-volt as follows:

- 1 Battery. Sealed, heavy-duty maintenance-free, 12-volt, minimum rated capacity – 28 ampere hours (Battery Council International rating), 270 cold cranking amps.
- 2 Ignition. Non-waste spark, alpha control.
- 3 Charging System. Three-phase, 50-amp high output alternator, solid state regulator.
- 4 Connectors. Industrial grade throughout, provided with electrical accessory connection.
- 5 Hand Controls. Water-resistant, integrated switches.
- 6 Starting System. 12-volt starter, solenoid operated engagement, relay required.
- 7 Horn. Sound level audible above motorcycle and traffic-generated noise.

H. Lighting

Each motorcycle shall be provided with the following lighting equipment:

- 1 Quartz Halogen Headlight, 55 watt low beam and 60 watt high beam.
- 2 Pursuit lamps front mounted PAR-36, one red and one blue (incandescent).
- 3 Tail light.
- 4 Turn Signals, self-canceling system.
- 5 Flashers, four-way, integrated into turn signal switches.
- 6 License plate lighting, two blue indicator lamps.

I. Visual Displays

- 1 Speedometer. Analog speedometer, range 0-120mph (or kph equivalent), (2) re-settable trip meters.
- 2 Odometer. Calibrated, cumulative.
- 3 Tachometer. Analog.
- 4 Fuel level gauge.
- 5 Emergency Light Activation Indicator.
- 6 Sight glass on brake master cylinders.
- 7 Fuel Mileage countdown till empty displayed in odometer window when Low fuel indicator lamp is lit.
- 8 Turn Signal Indicators
- 9 Neutral Indicator
- 10 High beam Indicator
- 11 Low Oil pressure Indicator
- 12 Engine diagnostic light
- 13 ABS indicator lamp (if equipped with optional ABS)
- 14 Security Lamp (if equipped with optional security system)

J. Feature Requirements

1. Seat. Deluxe solo air saddle, special police type, breathable material covering, single air bladder suspension with reservoir and integral gauge.
2. Side Stand. Jiffy stand with electronic disengage to prevent drive off with jiffy stand deployed.
3. Foot Boards. pivoting type with non-skid rubber pads.
4. Guards. Front engine guard bar and rear saddlebag guard bars.
5. Saddlebags. Factory installed, law enforcement type Injection Molded GTX saddlebags, approximately 2000 cubic inches of storage space per bag, water-resistant, utilizing police style speed latches.
6. Drive. Final belt drive, Gates Aramid fiber, reinforced Poly Chain[®] with a rubber isolated 68 tooth rear drive sprocket.
7. Chrome, two into one into two exhaust system[®]
8. Windshield. Constructed of Lexan[®] or clear polycarbonate, designed to break away with minimal force.
9. Mirrors. Two (2) long stem true image mirrors.
10. Key. One key fits all locks.
11. Wheelbase. 63.5 inches (1613.9 mm).
12. Laden Seat Height. 27.3 in. (693.4 mm).
13. Gross Vehicle Weight Rating. 1360 lbs. (616.8 kg.)
14. Dry Weight. 791 lbs. (358.7 kg.)
15. Running Order. 828 lbs. (375.5 kg.)
16. Service Intervals. 1st 1000 miles and then every 5000 miles thereafter.
17. Fender Tip Running Lights. Amber at front, red at rear.
18. Warranty. 24 months, unlimited mileage.

(Sample Specifications and Description)

2009 Harley-Davidson® FLHTP Electra Glide® Police

1. QUANTITY: [Insert Quantity] 2009 Harley-Davidson® FLHTP (Fairing with Windshield) Electra Glide® Solo Law Enforcement Motorcycles

SCOPE OF SPECIFICATIONS

These specifications describe the mechanical and comfort requirements for the FLHTP solo law enforcement motorcycles which will be used by the [insert agency/department name].

SPECIFICATIONS

All proposed FLHTP motorcycles to be in full compliance as follows:

A. Engine

Piston displacement of not less than 1690cc OHV Twin Cam 103® Vibration Isolated V-Twin, air-cooled with two cylinders equipped with overhead valves and featuring EITMS (Engine Idle Temperature Management System), producing minimal vibration frequencies and magnitudes. Engine and transmission isolated from motorcycle frame utilizing a rubber mounting system.

- 1 Powertrain deluxe chrome group designed for low maintenance; black powder coat finish on engine; chrome rocker boxes, timer cover, outer primary housing & transmission covers.
- 2 Compression ratio: 9:6:1
- 3 Electronic Sequential Port Fuel Injection System (ESPFI)
- 4 Chain Drive Twin Cams
- 5 Hydraulic Lifters requiring no maintenance service adjustments

B. Clutch / Transmission

- 1 Clutch shall be of the latest multiple nine (9) plate design, wet.
- 2 Transmission to be of latest design, manual type, with not less than six (6) forward speeds.
- 3 Clutch disengage for starter motor operation
- 4 Primary Drive, double-row chain, 34/46 ratio.
- 5 Greaseless shifter shaft with "anti-vibration" rubber spacers.
- 6 Gear Ratios

- 1st – 9.593
- 2nd – 6.650
- 3rd – 4.938
- 4th – 4.000
- 5th – 3.407
- 6th – 2.875

C. Brakes

Disc brakes for both front and rear wheels. Front brake having dual 11.81-inch diameter drilled discs; rear brake shall be single disc. Brakes shall be relatively free of heat fade, with four (4) piston calipers and uniform expanding rotors.

Note: Optional Anti-Lock Braking system available (Independent Anti-Lock System)

D. Suspension

- 1 Motorcycles shall be provided with a suspension system to permit optimum handling conditions as

- required in law enforcement.
- 2 41.3 mm telescopic front forks. Rear air-adjustable shocks.
- 3 Rear suspension swing arm bearings shall require no lubrication for life of the motorcycle.

E. Wheels / Tires

- 1 Black Slotted Disc Cast Aluminum wheels, rim material to be impermeable to compressed air.
- 2 Tubeless type tires to have non-skid tread, designed to operate on paved highways and shall have a full, four-ply fabric reinforcement. Bead-retention tires designed to remain on wheel during sudden loss of pressure.
- 3 Sealed automotive style wheel bearings requiring no endplay adjustment and service interval of 100,000 miles (160,000 km).

F. Fuel Tank

Fuel tank to have a capacity of six (6) U.S. gallons (or 22.71 liters). Must provide a minimum of 1 gal (3.8 L) reserve fuel capacity when main supply is exhausted.

- 1 Electric fuel pump.

G. Electrical System

Electrical system shall be nominal 12-volt as follows:

- 1 Battery. Sealed, heavy-duty maintenance-free, 12-volt, minimum rated capacity – 28 ampere hours (Battery Council International rating), 270 cold cranking amps
- 2 Ignition. Non-waste spark, alpha control
- 3 Charging System. Three-phase, 50-amp high output alternator, solid state regulator
- 4 Connectors. Industrial grade throughout, provided with electrical accessory connection
- 5 Hand Controls. Water-resistant, integrated switches
- 6 Starting System. 12-volt starter, solenoid operated engagement, relay required
- 7 Horn. Sound level audible above motorcycle and traffic-generated noise

H. Lighting

Each motorcycle shall be provided with the following lighting equipment:

- 1 Quartz Halogen Headlight, 55 watt low beam and 60 watt high beam.
- 2 Pursuit lamps front mounted PAR-36, one red and one blue (incandescent).
- 3 Tail light.
- 4 Turn Signals, self-canceling system.
- 5 Flashers, four-way, integrated into turn signal switches.
- 6 License plate lighting, two blue indicator lamps.

I. Visual Displays

- 1 Speedometer. Analog speedometer, range 0-120mph (or kph equivalent), (2) re-settable trip meters.
- 2 Odometer. Calibrated, cumulative.
- 3 Tachometer. Analog.
- 4 Fuel level gauge.
- 5 Emergency Light Activation Indicator.
- 6 Sight glass on brake master cylinders.
- 7 Fuel Mileage countdown till empty displayed in odometer window when Low fuel indication lamp is lit.
- 8 Turn Signal Indicators
- 9 Neutral Indicator
- 10 High beam Indicator
- 11 Low Oil pressure Indicator
- 12 Engine diagnostic light
- 13 ABS indicator lamp (if equipped with optional ABS)
- 14 Security Lamp (if equipped with optional security system)

J. Feature Requirements

1. Seat. Deluxe solo air saddle, special police type, breathable material covering, single air bladder suspension with reservoir and integral gauge.
2. Side Stand. Jiffy stand with electronic disengage to prevent drive off with jiffy stand deployed.
3. Foot Boards. pivoting type with non-skid rubber pads.
4. Guards. Front engine guard bar and rear saddlebag guard bars.
5. Saddlebags. Factory installed, law enforcement type Injection Molded GTX saddlebags, approximately 2000 cubic inches of storage space per bag, water-resistant, utilizing police style speed latches.
6. Drive. Final belt drive, Gates Aramid fiber, reinforced Poly Chain[®] with a rubber isolated 68 tooth rear drive sprocket.
7. Chrome, two into one into two exhaust system
8. Fairing & Windshield. Fork mounted fairing with windshield of Lexan[®] or clear polycarbonate, designed to break away with minimal force.
9. Mirrors. Two (2) long stem true image mirrors.
10. Key. One key fits all locks.
11. Wheelbase. 63.5 inches (1613.9 mm).
12. Laden Seat Height. 27.3 in. (693.4 mm).
13. Gross Vehicle Weight Rating. 1360 lbs. (616.8 kg.)
14. Dry Weight. 794 lbs. (360.1 kg.)
15. Running Order. 831 lbs. (376.9 kg.)
16. Service Intervals. 1st 1000 miles and then every 5000 miles thereafter.
17. Fender Tip Running Lights. Amber at front, red at rear.
18. Warranty. 24 months, unlimited mileage.

(Sample Specifications and Description)
2009 Harley-Davidson® XL 883 Sportster® HDI

Not Available in Domestic Configuration

1. QUANTITY: [Insert Quantity] 2009 Harley-Davidson® XL 883 Sportster® HDI Law Enforcement Motorcycles

SCOPE OF SPECIFICATIONS

These specifications describe the mechanical and comfort requirements for solo, certified law enforcement motorcycles which will be used by the [insert agency/department name].

SPECIFICATIONS

Proposed XL 883 Sportster HDI motorcycles to be in full compliance as follows:

A. Engine

Piston displacement of not less than 883cc Electronic Sequential Port Fuel Injection V-Twin, air-cooled, with two cylinders equipped with overhead valves, producing minimal vibration frequencies and magnitudes. Engine and transmission isolated from motorcycle frame through a rubber mounting system.

- 1 Powertrain silver powder coated engine with polished treatment.
- 2 Chrome, staggered dual exhausts

B. Clutch / Transmission

- 1 Clutch shall be of the latest multiple plate design, wet.
- 2 Transmission to be of latest design, manual type, with not less than five (5) forward speeds.
- 3 Primary Drive, chain.
- 4 Final belt drive.
- 5 Gear Ratios

1st – 2.65
2nd – 1.89
3rd – 1.41
4th – 1.17
5th – 1.00

C. Brakes

Disc brakes for both front and rear wheels. Front brake having dual 11.5-inch diameter drilled discs; rear brake shall be single disc. Brakes shall be relatively free of heat fade, with dual piston front and single piston rear, featuring patented, uniform expanding rotors.

D. Suspension

- 1 System permitting optimum handling as required in law enforcement.
- 2 Front forks, 39 mm.
- 3 Rear shocks, coil over type, dual adjustable preload.
- 4 Rear suspension shall have swing arms having mild steel, rectangular tube sections, stamped junctions, MIG welded.

E. Wheels / Tires

- 1 Silver, Aluminum Cast Alloy wheels required; rim material shall be impermeable to compressed air.
- 2 Tubeless type tires to have non-skid tread, designed to operate on paved roads.
- 3 Manufacturer, Dunlop front D401F MH100/90-19, rear D401 MH150/80B -16 blackwall tires.

F. Fuel Tank

Fuel tank to have a capacity of not less than three and three tenths (3.3) U.S. gallons (or 12.5 liters). Must provide reserve fuel capacity of 0.8 gallon (or 3.0 liters) when main supply is exhausted.

G. Electrical System

Electrical system shall be nominal 12-volt as follows:

- 1 Battery. Sealed, heavy-duty maintenance-free, 12-volt, minimum rated capacity – 12 ampere hours per Battery Council International (BCI) rating, 200 cold cranking amps.
- 2 Ignition. Non-waste spark, alpha control.
- 3 Charging System. Single-phase 30-amp high output alternator and solid state regulator.
- 4 Connectors. Industrial grade throughout.
- 5 Hand Controls. Water-resistant switches.
- 6 Starting System. 1.2 kW electric with solenoid shift starter motor engagement required.
- 7 Horn. Sound level audible above motorcycle and traffic-generated noise.
 - a. Lighting. Each motorcycle shall be provided with the following lighting equipment:
 - b. Quartz Halogen Headlight.
 - c. Tail light.
 - d. Turn Signals, self-canceling system.
- 8 Headlamp. Quartz halogen 55-watt low beam and a 60-watt high beam.

H. Visual Displays

- 1 Speedometer. Analog speedometer, to indicate 0-220 Kph
- 2 Odometer. Calibrated, cumulative.
- 3 Re-settable trip meter and diagnostic readout.
- 4 Neutral
- 5 Turn signals.
- 6 High beam indicator.

I. Feature Requirements

1. Seat. Latest solo saddle.
2. Handlebars. Stainless steel, low-rise handlebars.
3. Side Stand. Jiffy stand, rubber bumper design.
4. Drive. Final belt drive, Gates Aramid fiber, reinforced Poly Chain[®].
5. Mirrors. Two (2) standard mirrors.
6. Wheelbase. 1520.0 mm
7. Dry Weight. 251 Kg.
8. Gross Vehicle Weight Rating. 454 Kg
9. Service Intervals. 1st 1000 miles and then every 5000 miles thereafter.
10. Warranty. 24 months, unlimited mileage.

J. Additional Options

1. Pursuit Lamp Kit, Part Number 68746-03B.
2. Red and blue pursuit lights; works with Windshield, Part Number 57716-01 (law enforcement application only)
3. Birch White Saddlebags, Part Number 91412-04AV
4. Vivid Black Saddlebags, Part Number 914012-04DH
5. Windshield Docking Hardware, Part Number 58164-96A
6. Detachable Windshield, Part Number 57716-01
7. Engine Guard Bar, Part Number 49060-04
8. Luggage Rack, Part Number 53495-95
9. Jiffy Stand Extension, Part Number 50250-04